

S/N 10/081,818

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Jerome M. Eldridge et al. Examiner: Tu-Tu Ho  
Serial No.: 10/081,818 Group Art Unit: 2818  
Filed: February 20, 2002 Docket: 1303.045US1  
Title: ATOMIC LAYER DEPOSITION OF METAL OXIDE AND/OR LOW  
ASYMMETRICAL TUNNEL BARRIER INTERPOLY INSULATOR

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 19-0743.

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Serial No :10/081,818

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INSULATORS

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The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

JEROME M. ELDRIDGE ET AL.

By their Representatives,

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(612) 349-9587

Date

14 Jan '05

By

  
Timothy B Clise

Reg. No. 40,957

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 14 day of January, 2005.

Name

KACIA LEE

Signature

Kacia Lee

Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		<b>Application Number</b>	10/081,818
		<b>Filing Date</b>	February 20, 2002
		<b>First Named Inventor</b>	Eldridge, Jerome
		<b>Group Art Unit</b>	2818
		<b>Examiner Name</b>	Ho, Tu-Tu
Sheet 1 of 1		Attorney Docket No: 1303.045US1	

### US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-4,688,078	08/18/1987	Hsieh, Ning	12/11/1985
	US-4,939,559	07/03/1990	DiMaria, D. J., et al.	04/01/1986
	US-5,474,947	12/12/1995	Chang, K. , et al.	12/27/1993
	US-5,488,612	01/30/1996	Heybruck, W. F.	10/04/1993
	US-5,959,465	09/28/1999	Beat, R.	12/29/1995
	US-6,009,011	12/28/1999	Yamauchi, Y.	12/24/1997
	US-6,317,364	11/13/2001	Guterman, D. C., et al.	10/13/2000
	US-6,341,084	01/22/2002	Numata, H. , et al.	05/15/2001
	US-6,377,070	04/23/2002	Forbes, Leonard	02/09/2001
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	US-6,574,143	06/03/2003	Nakazato, Kazuo	12/08/2000
	US-6,730,575	05/04/2004	Eldridge, Jerome M.	08/30/2001
	US-6,754,108	06/22/2004	Forbes, L.	08/30/2001

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>

### OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>

EXAMINER

DATE CONSIDERED



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COMMUNICATION CONCERNING RELATED APPLICATION(S)

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related application(s) in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
10/929916	August 30, 2004	1303.035US2	PROGRAMMABLE ARRAY LOGIC OR MEMORY WITH P-CHANNEL DEVICES AND ASYMMETRICAL TUNNEL BARRIERS
10/931704	September 1, 2004	1303.014US2	FLASH MEMORY WITH LOW TUNNEL BARRIER INTERPOLY INSULATORS
10/929986	August 30, 2004	1303.045US2	ATOMIC LAYER DEPOSITION OF METAL OXIDE AND/OR LOW ASYMMETRICAL TUNNEL BARRIER INTERPOLY INSULATORS
10/931711	September 1, 2004	1303.029US2	PROGRAMMABLE MEMORY ADDRESS AND DECODE CIRCUITS WITH LOW TUNNEL BARRIER INTERPOLY INSULATORS
10/931540	August 31, 2004	1303.020US2	PROGRAMMABLE ARRAY LOGIC OR MEMORY DEVICES WITH ASYMMETRICAL TUNNEL BARRIERS

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 10/081,818

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Respectfully submitted,

JEROME M. ELDRIDGE ET AL.

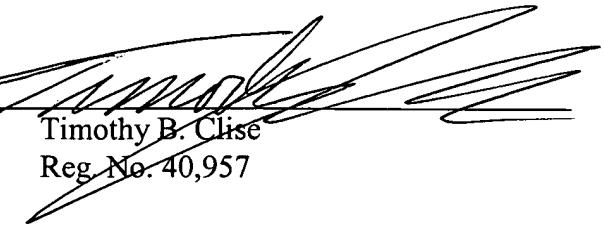
By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 349-9587

Date

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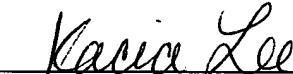
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Name

KACIA LEE

Signature

  
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